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(71) Applicant (for all designated States except US): ICON GENETICS AG [DE/DE]; Brienerstr. 12a, 80333 München (DE).

(72) Inventor; and

(75) Inventor/Applicant (for US only): MÜHLBAUER, Stefan [DE/DE]; Ganzenmüllerstr. 8, 85345 Freising (DE).

(74) Agent: HARTZ, Nikolai, F.; Wächterhäuser & Hartz, Weinstr. 8, 80333 München (DE).

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(54) Title: CONTROLLING GENE EXPRESSION IN PLASTIDS

(57) Abstract: A process of controlling expression of a plastome-encoded sequence of interest in a plant or in plant cells by externally applying to said plant or to said plant cells a chemical or physical control signal, wherein said control signal is adapted for interacting with an intra-plastid component of the plastid protein expression machinery and wherein expression of said sequence of interest is controlled by said control signal.